

ABSTRACT

A system and method are disclosed for performing cryptographic operations on network data. According to an exemplary embodiment, a system for performing cryptographic operations on network data includes an input interface configured to receive data into the system. The system includes a plurality of processors in a cascaded arrangement. Each processor includes an input coupled to the input interface, and an output coupled to respective inputs of each of the other processors downstream in the arrangement. The processors are each configured to perform respective cryptographic operations on the data. The system includes an output interface coupled to the input interface and to the output of each of the processors. The output interface is configured to transmit data out of the system and to direct the data through the system in coordination with the input interface according to a predetermined algorithm.